IN THE CLAIMS:

The following listing of the claims replaces all earlier listings and all earlier versions.

1. (Currently Amended) An image processing method comprising the steps of:

obtaining a plurality of sets of colorimetric data which correspond to respective light sources;

inputting a viewing condition;

selecting colorimetric data from the plurality of sets of colorimetric data in accordance with a relation between the input viewing condition and ~~a viewing condition of~~ each light source; and

conjecturing colorimetric data corresponding to the input viewing condition based on the selected colorimetric data.

2. (Original) The method according to claim 1, further comprising the step of caching the conjectured colorimetric data to the profile.

3. (Original) The method according to claim 1, further comprising the step of generating conversion data for color matching based on the conjectured colorimetric data.

4. (Previously Presented) The method according to claim 1, wherein said selecting step includes selecting colorimetric data by comparing a chromaticity of a light source designated by the input viewing condition with chromaticities of the plurality of light sources to which the sets of colorimetric data correspond.

5. (Previously Presented) The method according to claim 1, wherein said selecting step includes selecting colorimetric data by comparing a color temperature of a light source designated by the input viewing condition with color temperatures of the plurality to which the sets of colorimetric data correspond.

6. (Previously Presented) The method according to claim 1, wherein said conjecturing step includes conjecturing colorimetric data corresponding to the input viewing condition by using a color appearance model.

7. (Original) The method according to claim 1, wherein the conjectured colorimetric data is cached to the profile in correspondence with the input viewing condition.

8. (Currently Amended) An image processing method comprising the steps of:

obtaining a plurality of sets of colorimetric data which correspond to respective light sources;

inputting a viewing condition;

selecting colorimetric data from the plurality of sets of colorimetric data in accordance with ~~the~~ a relation between the input viewing condition and ~~a viewing condition of~~ each light source; and

generating data for color matching corresponding to the input viewing condition based on the selected colorimetric data.

9. (Original) The method according to claim 8, further comprising the step of caching the generated data to the profile.

10. (Previously Presented) The method according to claim 8, wherein said selecting step selects colorimetric data by comparing a chromaticity of a light source designated by the input viewing condition with chromaticities of the plurality of light sources to which the sets of colorimetric data correspond.

11. (Previously Presented) The method according to claim 8, wherein said selecting step includes selecting colorimetric data by comparing a color temperature of a light source designated by the input viewing condition with color temperatures of the plurality of light sources to which the sets of colorimetric data correspond.

12. (Previously Presented) The method according to claim 8, wherein said conjecturing step includes conjecturing colorimetric data corresponding to the input viewing condition by using a color appearance model.

13. (Previously Presented) The method according to claim 8, wherein the generated data is cached to another profile in correspondence with the input viewing condition.

14. (Currently Amended) An image processing apparatus comprising:

an obtaining section, arranged to obtain a plurality of sets of colorimetric data which correspond to respective light sources;

an inputting section, arranged to input a viewing condition;

a selector, arranged to select colorimetric data from the plurality of sets of colorimetric data in accordance with a relation between the input viewing condition and ~~a viewing condition of~~ each light source; and

a conjecturing section, arranged to conjecture colorimetric data corresponding to the input viewing condition based on the selected colorimetric data.

15. (Previously Presented) The apparatus according to claim 14, further comprising a cache arranged to cache the conjectured colorimetric data to the profile.

16. (Currently Amended) An image processing apparatus comprising:

an obtaining section, arranged to obtain a profile having a plurality of sets of colorimetric data which correspond to respective light sources;

an inputting section, arranged to input a viewing condition;

a selector, arranged to select calorimetric data from the plurality of sets of colorimetric data in accordance with a relation between the input viewing condition and ~~a viewing condition of~~ each light source; and

a generator, arranged to generate data for color matching corresponding to the input viewing condition based on the selected colorimetric data.

17. (Previously Presented) The apparatus according to claim 16, further comprising a caching section arranged to cache the generated data to the profile.

18. (Currently Amended) A computer program product storing a computer readable medium having computer program codes, for an image processing method, said product comprising process procedure codes for:

obtaining a plurality of sets of colorimetric data which correspond respectively light sources;

inputting a viewing condition;

selecting colorimetric data from the plurality of sets of colorimetric data in accordance with a relation between the input viewing condition and ~~a viewing condition of~~ each light source; and

conjecturing colorimetric data corresponding to the input viewing condition based on the selected colorimetric data.

19. (Original) The product according to claim 18, further comprising caching process procedure code for caching the conjectured colorimetric data to the profile.

20. (Currently Amended) A computer program product storing a computer readable medium having computer program codes, for an image processing method performing color process on input image data based on a color appearance model, said product comprising process procedure codes for:

obtaining a profile having a plurality of sets of colorimetric data which correspond to respective light sources;

inputting a viewing condition;

selecting colorimetric data from the plurality of sets of colorimetric data in accordance with a relation between the input viewing condition and ~~a viewing condition of~~ each light source; and

generating data for color matching based on the selected calorimetric data.

21. (Original) The product according to claim 20, further comprising caching process procedure code for caching the generated data to the profile.